

CLAIMS

WHAT IS CLAIMED IS:

1. A light beam receiver for a laser beam (2) of a laser positioning device comprising a reflection surface (3), wherein the reflection surface (3) comprises at least one reflector surface (4a, 4b) inclined towards the laser beam (2) at an angle (α) of less than 45° .
2. The light beam receiver of claim 1, wherein at least two reflector surfaces (4a, 4b) are mirror-symmetrically arranged.
3. The light beam receiver of claim 2, wherein the at least two reflector surfaces (4a, 4b) are reflecting lateral surfaces of a reflector prism (5).
4. The light beam receiver of claim 3, wherein the reflector prism (5a) forms a top edge (6) along a straight line (x, y).
5. The light beam receiver of claim 4, wherein two reflector prisms (5a, 5b) each running along a respective straight line (x, y) intersect at an angle of 90° at a midpoint (O).

6. The light beam receiver of claim 3, wherein the reflector prism (5) forms one of a trilateral, quadrilateral, multilateral and round straight pyramid having a base surface on the reflection surface (3).

7. The light beam receiver of claim 1, wherein at least one of a plurality of marking indices (7) is incorporated on the outer edges of a target plate (1).

8. The light beam of claim 7, wherein the plurality of marking indices (7) are incorporated on at least one of extensions of the top edges (6a, 6b) and reflector surfaces (4a, 4b, 4c, 4d) of the reflector prism (5).